

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2019 TO 2024**

PROJECT #	WAC0670000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NORTH RESERVOIR PUMP STATION REPLACEMENT		
PROJECT LOCATION	Mark Twain Park at North Reservoir, 132nd Avenue NE	PROJECT START	PROJECT STATUS
		Undetermined	Modified Project

DESCRIPTION/JUSTIFICATION

The existing below-grade pump station does not have heating or ventilation. The poor layout of piping and equipment inside the station makes it difficult and unsafe to perform maintenance and operation tasks. The reliability and remaining service life of the existing 2,500 gallons-per-minute (gpm) pump is unknown. The pump does not have adequate capacity to meet the supply requirements of the future. This project will replace the existing station with a new station that resolves the deficiencies and has a capacity of 5,000 gpm. This joint facility improvement will require participation by the City of Redmond at their established proportionate share of the total project cost. This is a candidate project included as a component of the Annual Water Pump Station/System Upgrade Program Project, WAC9999000.

REASON FOR MODIFICATION (WHERE APPLICABLE)

Total project costs changed from \$611,000 to \$644,000 based on a one-time escalation of 5% in 2018 to reflect current regional construction inflation.

POLICY BASIS

Water Comprehensive Plan

COUNCIL GOALS

Dependable Infrastructure

METHOD OF FINANCING (%)

Current Revenue	0 %
Reserve	0 %
Grants	0 %
Other Sources Joint Facility/Redmond	0 %
Debt	0 %
Unfunded	100 %

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	90,000
In-House Professional Svcs.	38,000
Land Acquisition	0
Construction	516,000
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	644,000
NEW MAINT. AND OPER.	0
NEW FTE	0.00

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2019 TO 2024**

PROJECT #	WAC0670000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	NORTH RESERVOIR PUMP STATION REPLACEMENT
----------------------	--

CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>Minor disruption to nearby residents is expected during construction with only incidental construction noise.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through better system reliability and increased performance.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system infrastructure consistent with the 2014 Water Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	N/A
Benefits to other capital projects	N/A
Implications of deferring the project	<i>Possible disruption in water service through system degradation and increased maintenance.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	<p>Name of Neighborhood(s) in which located: <i>North Rose Hill, City-wide</i></p> <p>Is there a specific reference to this project or land use in the immediate</p> <p>How does the project conform to such references?</p> <p>Attachments <input type="checkbox"/> (Specify)</p>
LEVEL OF SERVICE IMPACT	<p><input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation).</p> <p><input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 50%</p> <p><input type="checkbox"/> Project assists in meeting/maintaining adopted level of service.</p> <p><input type="checkbox"/> Project required to meet concurrency standards.</p>